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File: USPT

Apr 28, 1998

DOCUMENT-IDENTIFIER: US 5744122 A

TITLE: Diagnosis and treatment of cancer having clonal macrophage involvement

Detailed Description Text (20):

Three patients with large-cell lymphoma malignant ascites were studied for in vitro effects of IL-6 and IL-10 on cell proliferation. The ascites fluid contained high concentrations of IL-6 and IL-10 and neutralizing antibodies to these cytokines blocked lymphoma cell proliferation. This observation is consistent with cytokines such as IL-6 and IL-10 inducing lymphomagenesis in vivo. The presence of a clonally expanded population of macrophages associated with lymphoid tumors suggests that the macrophages, by secreting cytokines, are secondarily inducing surrounding untransformed cells to overgrow, thus causing tumorigenesis.